

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)



REC'D 16 JUN 2004
 Report (Form PCT/PEA/416)
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Applicant's or agent's file reference JOO/PCT/NO03/00075	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCTNO 03/00075	International filing date (day/month/year) 05.03.2003	Priority date (day/month/year) 05.03.2002
International Patent Classification (IPC) or both national classification and IPC A01K91/18		
Applicant BJORSHOL INTERNATIONAL et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
 - ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:
 - I ☒ Basis of the opinion
 - II ☐ Priority
 - III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
 - IV ☐ Lack of unity of invention
 - V ☒ Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
 - VI ☐ Certain documents cited
 - VII ☐ Certain defects in the international application
 - VIII ☐ Certain observations on the international application

Date of submission of the demand 03.10.2003	Date of completion of this report 15.06.2004
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**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. **PCT/NO 03/00075**

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, Pages

1-6 as originally filed

Claims, Numbers

1-16 received on 25.05.2004 with letter of 24.05.2004

Drawings, Sheets

1/4-4/4 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

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5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-16
	No: Claims	
Inventive step (IS)	Yes: Claims	1-16
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-16
	No: Claims	

2. Citations and explanations

see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/NO03/00075

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- 1). A method and a device for transferring longline hooks from a baiting machine to a longline container are known to the applicant but have not been found in the search. The invention is characterised by a holder for positioning the hook with bait over a receptacle and an ejector device to push down the bait/hook therein. A method according to claim 1 including these transferring steps and a device comprising the hook and the ejector according to claim 10 are new and inventive. The invention has also an industrial applicability.

PATENT CLAIMS.

1. Method for transferring longline hooks with bait (5) from a baiting machine (6) to a longline container (12), where each hook is fastened to the longline (3) via a snood (4), and the longline is set up to be arranged in a longline receptacle (37) in the longline container (12) while the hook/bait (5) is arranged in a hook/bait receptacle (16) adjacent to the longline receptacle (37), characterised in that simultaneously to the longline (3) being conducted mainly horizontally from the baiting machine via a conductor disc and down into the longline receptacle (37), the hook with bait (5) is transferred in an initial manoeuvre into a holder (8), and the holder is transferred mainly horizontally to an end position directly above the longline container (12), and then an ejector device (15) transfers the hook with bait (5) out of the holder (8) and downwardly into the hook/bait receptacle (16) of the longline container (12).

2. Method according to claim 1, characterised in that the hook/bait is pulled into the holder (8) through a first conductor casing (7) permanently fixed to the baiting machine (6), where the snood (4) runs through a slot in said first conductor casing (7), and the exit of the hook/bait (5) from the conductor casing (7) is level with the corresponding entrance to the holder (8).

3. Method according to claims 1 - 2, characterised in that when the holder (8) is in its end position above the longline container (12), an ejector device (15) pushes the hook/bait (5) out of the holder and downwardly through a second conductor casing (13) into the bait receptacle (16).

4. Method according to any of preceding claims, characterised in that the holder (8) movement to said end position is provided by operating a piston/cylinder unit, the holder (8) being assembled to the piston rod.

5. Method according to any of preceding claims, characterised in that the movement of the holder is assisted by the tension on the snood (4) via the longline (3) running over the conductor disc (1).

6. Method according to any of preceding claims, characterised in that the hook/bait (5) is placed in the holder (8) by pulling the snood through one of the

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vertical, run-through, straight-through slots in the peripheral wall (22) of the holder, but through which the hook/bait (5) cannot pass.

5 7. Method according to any of the preceding claims, characterised in that a holder with open bottom is used and that the hook/bait is pushed vertically out and down through the open holder bottom, as the snood is pushed down and out of the slots (17,27).

10 8. Method according to any of the preceding claims, characterised in that the hook/bait (5) and the snood (4) are transferred to the longline container from the holder via the second conductor casing (13) which involves vertical, run-through slots (18, 28) and a duct, for which the cross-section corresponds to the cross-section of the slots (17, 27) and the chamber (26), respectively, of the holder (8).

15 9. Method according to one of the preceding claims, characterised in using an indexable rotating table so that the longline container (12) rotates round to a new bait cell (16¹) once a certain number of hooks with bait (5) have been transferred to the bait receptacle (16¹).

20 10. Device for transferring longline hooks with bait (5) from a baiting machine (6) to a longline container (12), where each hook is fastened to the longline (3) via a snood (4), and the longline is set up to be arranged in a longline receptacle (37) in the longline container (12) while the hook/bait (5) is arranged to be placed in a hook/bait receptacle (16) adjacent to the longline receptacle (37), characterised in that the device comprises:

25 a holder (8) to capture the hook with bait (5) from the baiting machine, said holder (8) being arranged to be conducted mainly in a horizontal direction to an end position, directly above the longline container (12), and
30 an ejector device (15) to transfer the hook with bait (5) out of the holder (8) and downwardly into the hook/bait receptacle (16) of the longline container (12).

35 11. Device according to claim 10, characterised in that the holder (8) for the hook/bait (5) is assembled to the piston rod (11) of a piston/cylinder unit which is arranged to move the holder (8) to said end position.

12. Device according to any of claims 10-11, characterised in that the holder (8) is made up of plates to form a housing with open top and bottom, and a flap to which the end of the piston rod (11) is assembled, and the peripheral wall (22) involves straight-through vertical run-through slots (17,27) through which the snood (4) is arranged to run, while the inner end (25) of the housing is also open and forms an entrance to the holder (8).

13. Device according to claims 10-12, characterised in that a first conductor casing (7) for hook/bait (5) is permanently fixed to said baiting machine (6) and involves a longitudinal slot through which the snood (4) can run, as the exit from the hook/bait (5) from the conductor casing (7) is level with the above-mentioned opening (25) to the holder (8) when the piston rod (11) is in retracted position.

14. Device according to any of the preceding claims 10-13, characterised in that the hook/bait (5) and the snood (4) are transferred from the holder (8) to the longline container (12) via a second conductor casing (13) which involves vertical run-through slots (18,28) which are level with the holder slots (17,27).

15. Device according to any of the preceding claims 10-14, characterised by a second conductor casing (13) including vertical run-through slots (18, 28) and a duct with a cross-section which are level/equivalent with the cross-section of the slots (17, 27) and the chamber (26), respectively, in the holder, when the holder (8) at its end position is level with the conductor casing (13).

16. Device according to any of the preceding claims 10-15, characterised in that the longline container (12) is arranged on an indexable rotating table that may rotate the container (12) around to a new bait cell (16¹) once a certain number of hooks with bait (5) have been transferred into the bait receptacle (16¹).

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